

STATE OF MISSOURI  
**DEPARTMENT OF NATURAL RESOURCES**

MISSOURI CLEAN WATER COMMISSION



**MISSOURI STATE OPERATING PERMIT**

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92<sup>nd</sup> Congress) as amended,

Permit No. MO-0119652

Owner: City of Kansas City, Missouri Aviation Department  
Address: Kansas City International Airport (KCI)  
PO Box 20047, 601 Brazilia Avenue, Kansas City, MO 64147

Continuing Authority: Same as above  
Address: Same as above

Facility Name: Richards-Gebaur Memorial Airport  
Facility Address: 15450 Hangar Road, Kansas City, MO 64130

Legal Description: See pages 2-3  
Latitude/Longitude: See pages 2-3

Receiving Stream: See pages 2-3  
First Classified Stream and ID: Little Blue River (C) (00424)  
USGS Basin & Sub-watershed No.: (10300101-030001)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

**FACILITY DESCRIPTION**

SIC #9621

Storm water runoff from closed municipal airport. All outfalls drain to Scope Creek. Site includes former Richards-Gebaur Air Force Base and has ongoing remediation activities. Additional industrial activities are planned for the future.

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

January 24, 2003

Effective Date

January 23, 2008

Expiration Date  
MO 780-0041 (10-93)

  
Stephen M. Mahford, Director, Department of Natural Resources  
Executive Secretary, Clean Water Commission

Jim Hull, Director of Staff, Clean Water Commission

FACILITY DESCRIPTION (continued)

Outfall #001 (Outfall #001 in application) NE  $\frac{1}{4}$ , NE  $\frac{1}{4}$ , Sec. 3, T46N, R33W, Cass Co.  
Design flow is 80.6 MGD.

Actual flow is dependent upon precipitation.

Culvert located where Scope Creek flows under Bales Avenue. Receives water from Drainage Area 16 with maintenance, aircraft repair and fueling (two 2,000 gallon aboveground storage tanks, one 15,000 gallon UST and two 5,000 gallon AST Jet Fuel-A), runway 18-36 South Landfill and South Burn Pit FUDS sites. (K.C. property)

Latitude/Longitude: +3850280/-09433170

Receiving Stream: Unnamed Tributary to Scope Creek (U)

Outfall #002 (Outfall #002 in application) SW  $\frac{1}{4}$ , SE  $\frac{1}{4}$ , Sec. 34, T47N, R33W, Jackson Co.  
Design flow is 0.7 MGD.

Actual flow is dependent upon precipitation.

Drainage catch basin adjacent to the airport taxiway near the airport Control Tower.

Receives water from Drainage Area 18 with aircraft parking and fueling. (K.C. property)

Latitude/Longitude: +3850430/-09433046

Receiving Stream: Unnamed Tributary to Scope Creek (U)

Outfall #003 (Outfall #003 in application) SW  $\frac{1}{4}$ , NE  $\frac{1}{4}$ , Sec. 34, T47N, R33W, Jackson Co.  
Design flow is 4.99 MGD.

Actual flow is dependent upon precipitation.

Drainage catch basin adjacent to the airport taxiway and abandoned runway on north side of airport. Receives water from Drainage Area 19 with Runway 18-36 and associated taxiways. (K.C. property)

Latitude/Longitude: +3851150/-09433150

Receiving Stream: Unnamed Tributary to Scope Creek (U)

Outfall #004 (Sampling Point A in application) NE  $\frac{1}{4}$ , NW  $\frac{1}{4}$ , Sec. 34, T47N, R33W, Jackson Co.  
Design flow is 3.96 MGD.

Actual flow is dependent upon precipitation.

Culvert at north end of airport runway crossing Hwy 150.

Receives drainage from Drainage Area 2 with former aircraft rehabilitation hangar and runway (K.C. property).

Latitude/Longitude: +3851300/-09433150

Receiving Stream: Unnamed Tributary to Little Blue River (U)

Outfall #005 (Sampling Point B in application) NE  $\frac{1}{4}$ , NE  $\frac{1}{4}$ , Sec. 34, T47N, R33W, Jackson Cou  
Design flow is 9.8 MGD.

Actual flow is dependent upon precipitation.

Culvert at north border of airport crossing Highway 150.

Receives drainage from Drainage Area 3 draining east side of former aircraft rehabilitation hangar.

Latitude/Longitude: +3851300/-09432450

Receiving Stream: Unnamed Tributary to Little Blue River (U)

Outfall #006 (Sampling Point C in application) SE  $\frac{1}{4}$ , NE  $\frac{1}{4}$ , Sec. 35, T47N, R33W, Jackson Co.  
Design flow is 0.7 MGD.

Actual flow is dependent upon precipitation.

Natural drainage on north bank of Scope Creek near point where creek flows off property.

Receives drainage from Drainage Area 7 with part of Northeast Landfill FUDS site and KCAD outside storage. (K.C. property).

Latitude/Longitude: +3851150/-09432000

Receiving Stream: Unnamed Tributary to Scope Creek (U)

FACILITY DESCRIPTION (continued)

Outfall #007 (Sampling Point D in application) SE ¼, NE ¼, Sec. 35, T47N, R33W, Jackson Co.  
Design flow is 14.4 MGD.

Actual flow is dependent upon precipitation.

Culvert along unpaved access road, 50 yards upstream from Outfall #006.

Receives drainage from Drainage Area 8 with part of Northeast Landfill FUDS site, the former Falcon Gun Club, and KCAD storage area adjacent to Scope Creek. (K.C. property)

Latitude/Longitude: +3850035/-09432007

Receiving Stream: Unnamed Tributary to Scope Creek (U)

Outfall #008 (Sampling Point G in application) SE ¼, SE ¼, Sec. 34, T47N, R33W, Jackson Co.  
Design flow is 0.29 MGD.

Actual flow is dependent upon precipitation.

Culvert on northwest bank of Scope Creek where creek flows under 155<sup>th</sup> Street.

Receives drainage from Drainage Area 21 with Former Hazardous Waste Storage IRP Site and former vehicle wash facility.

Latitude/Longitude: +3850450/-09433000

Receiving Stream: Unnamed Tributary to Scope Creek (U)

Outfall #009 (Sampling Point H in application) SE ¼, SE ¼, Sec. 34, T47N, R33W, Jackson Co.  
Design flow is 13.3 MGD.

Actual flow is dependent upon precipitation.

A 60" CMP storm sewer immediately west of Corkhill Road.

Receives water from Drainage Area 22 with two IRP sites, the Hazardous Materials Storage Area, the Fire Valve Area, and formerly, numerous industrial activities. (USAF property)

Latitude/Longitude: +3850450/-09433000

Receiving Stream: Unnamed Tributary to Scope Creek (U)

Outfall #010 (Sampling Point I in application) NW ¼, SW ¼, Sec. 35, T47N, R33W, Jackson Co.  
Design flow is 8.2 MGD.

Actual flow is dependent upon precipitation.

A 48" CMP culvert south of the POL yard adjacent to O/W separator.

Receives water from Drainage Area 23 with the aircraft Test Cell Area, aircraft washing area, POL yard, Hazardous Waste Storage Area and Mobile Refueler Area.

Storm water from contained/bermed areas in POL yard and Mobile Refueler Area is collected to O/W separator and sanitary sewer. (USAF property).

Latitude/Longitude: +3851000/-09432461

Receiving Stream: Unnamed Tributary to Scope Creek (U)

Outfall #011 (Sampling Point N in application) NW ¼, SW ¼, Sec. 35, T47N, R33W, Jackson Co.  
Design flow is 1.0 MGD.

Actual flow is dependent upon precipitation.

Northeast of POL yard, before culvert that goes below the easterly railroad spur.

Receives water from Drainage Area 24 with part of POL yard, and area formerly used for off-loading of heating oil (USAF property)

Latitude/Longitude: +3851065/-09432371

Receiving Stream: Unnamed Tributary to Scope Creek (U)

Outfall #012 (Previously Unlisted Location) NW ¼, SW ¼, Sec. 35, T47N, R33W, Jackson Co.  
New outfall from detention pond draining into new storm sewer line that runs to Scope Creek. (USAF property)

Latitude/Longitude: +3851025/-09432480

Receiving Stream: Unnamed Tributary to Scope Creek (U)

Instream Monitoring Point

(Sampling Point F in application) SE ¼, NE ¼, Sec. 35, T47N, R33W, Jackson County

In Scope Creek underneath the railroad trestle at east edge of property. (K.C. property)

<b>A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS</b>					PAGE NUMBER 4 of 7	
					PERMIT NUMBER MO-0119652	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfalls #001 - #004</u>						
Temperature	°C	*		*	once/month	grab
pH - Units	SU	**		**	once/month	grab
Ammonia as N	mg/L	*****		*****	once/month	grab
<u>Outfalls #001 - #012</u>						
Flow	MGD	*		*	once/quarter***	24 hr. estimate
pH - Units	SU	**		**	once/quarter***	grab****
Chemical Oxygen Demand	mg/L	120		90	once/quarter***	grab****
Settleable Solids	mL/L/hr	1.5		1.0	once/quarter***	grab****
Oil & Grease	mg/L	15		10	once/quarter***	grab****
Total Petroleum Hydrocarbons	mg/L	10		10	once/quarter***	grab****
<u>Outfall #012</u>						
Polychlorinated Biphenyls	µg/L	*		*	once/quarter***	grab****
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>April 28, 2003</u> .						
<u>Outfalls #001, #004 - #010 &amp; #012</u>						
Appendix D (Note 1)	µg/L	*		*	once/five years	grab****
MONITORING REPORTS SHALL BE SUBMITTED <u>ANNUALLY</u> ; THE FIRST REPORT IS DUE <u>October 28, 2003</u> .						
<u>Outfall #007</u>						
Chromium, Total Recoverable	µg/L	*		*	once/quarter***	grab
Copper, Total Recoverable	µg/L	*		*	once/quarter***	grab
Lead, Total Recoverable	µg/L	*		*	once/quarter***	grab
Zinc, Total Recoverable	µg/L	*		*	once/quarter***	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>April 28, 2003</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
<b>B. STANDARD CONDITIONS</b>						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

<b>A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS</b>					PAGE NUMBER 5 of 7	
					PERMIT NUMBER MO-0119652	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Instream Monitoring Point</u> (See Facility Description)						
Temperature	°C	*		*	once/month	grab****
Ammonia as N	mg/L	*****		*****	once/month	grab****
Flow	MGD	*		*	once/quarter***	24 hr. estimate
pH - Units	SU	**		**	once/quarter***	grab****
Chemical Oxygen Demand	mg/L	*		*	once/quarter***	grab****
MONITORING REPORTS SHALL BE SUBMITTED <u>ANNUALLY</u> ; THE FIRST REPORT IS DUE <u>October 28, 2003</u> .						
<b>B. STANDARD CONDITIONS</b>						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- \* Monitoring requirement only.
- \*\* pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.
- \*\*\* Sample once per quarter in the months of March, June, September, and December.
- \*\*\*\* A representative grab sample shall be collected during the first hour of rainfall which exceeds 0.1 inches at least 72 hours since the last event and results in a discharge.
- \*\*\*\*\* Ammonia limits for a specific pH and temperature are listed in 10 CSR 20-7.031, Table B (Acute Criteria for General Warm-Water Fishery).

Note 1 - Test for all chemicals listed in 40 CFR, Part 122, Appendix D, Tables II & III.

C. SPECIAL CONDITIONS

1. If fueling facilities are present, applicable Federal and State regulations concerning underground storage, above ground storage and dispensers, including spill prevention, control and counter measure shall be adhered to.
2. The wastewater treatment system shall be operated and maintained in order to remain in compliance with the requirement and effluent limitations of this permit.
3. A schedule of maintenance must be implemented and records kept. Records shall be submitted at the request of the Department.
4. All outfalls must be clearly marked in the field.

C. SPECIAL CONDITIONS (continued)

5. This permit may be reopened and modified, or alternatively revoked and reissued, to:
- (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
    - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
    - (2) controls any pollutant not limited in the permit.
  - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
  - (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

6. Permittee will cease discharge by connection to areawide wastewater treatment system within 90 days of notice of its availability.

7. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
  - (1) One hundred micrograms per liter (100 µg/L);
  - (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
  - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
  - (4) The level established in Part A of the permit by the Director.
- (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.

8. Report as no-discharge when a discharge does not occur during the report period.

9. Sludge and Biosolids Use For Domestic Wastewater Treatment Facilities

- (a) Permittee shall comply with the pollutant limitations, monitoring, reporting, and other requirements in accordance with the attached permit Standard Conditions.
- (b) If sludge is not removed by a contract hauler, permittee is authorized to land apply biosolids. Permit Standard Conditions, Part III shall apply to the land application of biosolids. Permittee shall notify the department at least 180 days prior to the planned removal of biosolids. The department may require submittal of a biosolids management plan for department review and approval as determined appropriate on a case-by-case basis.

C. SPECIAL CONDITIONS (continued)

10. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
- (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
  - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
  - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
  - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
  - (e) There shall be no significant human health hazard from incidental contact with the water;
  - (f) There shall be no acute toxicity to livestock or wildlife watering;
  - (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
  - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.

Termination of Permit:

If activities covered by this permit have ceased and this permit no longer applies, the permittee shall request termination of this permit. This permittee shall submit Form J, Termination of a State Operating Permit.